

**Notice of Allowability**

Application No.

09/897,499

Examiner

William Thomson

Applicant(s)

IIMORI, YASUO

Art Unit

2123

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicant's amendment received on 11.10.04.
2. ☒ The allowed claim(s) is/are 1-6.
3. ☒ The drawings filed on 03 July 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

  
**RUSSELL FREJD**  
**PRIMARY EXAMINER**

In re Application of: limori

***Allowance of Application # 09/897,499***

1. The following communication is in response to applicant's Amendment, received 10-November-2004.

***Reasons for Allowance***

2. The following is an Examiner's Statement of Reasons for the indication of allowable subject matter. The instant application is directed to a non-obvious improvement over the inventions described in the related prior art, the improvement comprising a simulator or simulation system that includes a characteristics data base inclusive of "current-prearcing time characteristics" and "current-smoke time characteristics" with the "judging unit for judging whether each protecting part on the test object circuit is fused and whether each wiring of the assigned path smokes based upon the short-circuit value calculated." Though the prior art teaches simulation of electric or electrical wiring systems to include short circuit, over-current, over-voltage and fused connections and wiring, the specific teachings of a characteristics data base with the current-prearcing time characteristics and current-smoke time characteristics with calculations of current and short-circuit current with a judging unit that performs the recited operations inclusive of the power supply and paths within the context of the claims was not uncovered. This patentable distinction is included in each of the independent claims, nos. 1, 3 and 5. The art of record, either individually or in combination, fails to teach, suggest, or render obvious the useful, concrete and tangible <simulation system including a characteristics data base of current-prearcing time characteristics and current-smoke time characteristics with the "judging unit" having the corresponding structure which is disclosed in the specification and

In re Application of: limori

equivalents thereof at least at page 6, line 12 through page 11, line 14, and Figures 1-16. In view of the foregoing, the claims of the present application are found to be patentable over the prior art.

***Response Guidelines***

3. Any comments considered necessary by applicant **MUST** be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should clearly be labeled "Comments on Statement of Reasons for Allowance".

4. Any response to the Examiner in regard to this allowance should be

**directed to:** William Thomson, telephone number (571) 272-3718, Tuesday-Friday from 0830 to 1530 ET, or the examiner's supervisor, Kevin Teska, telephone number (571) 272-3716.

**mailed to:** Commissioner of Patents and Trademarks  
P.O. Box 1450, Alexandria, VA 22313-1450

**or faxed to:** (703) 872-9306

*Hand-delivered responses should be brought to the Customer Service Window, Randolph Building, 401 Dulany Street, Alexandria, VA, 22314.*

Date: 22-February-2005

Russell Frejd (For W. Thomson)

RUSSELL FREJD  
PRIMARY EXAMINER